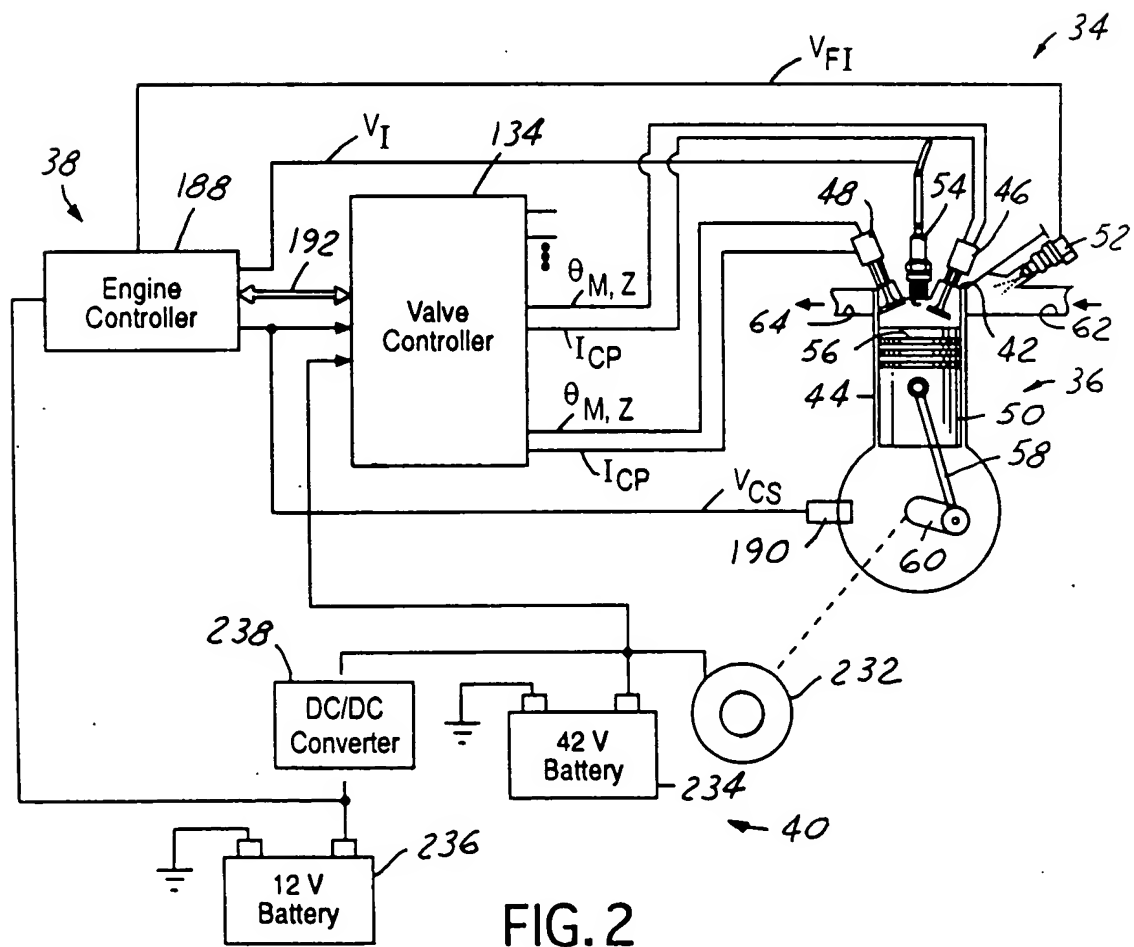


(Prior Art)

**FIG. 1**



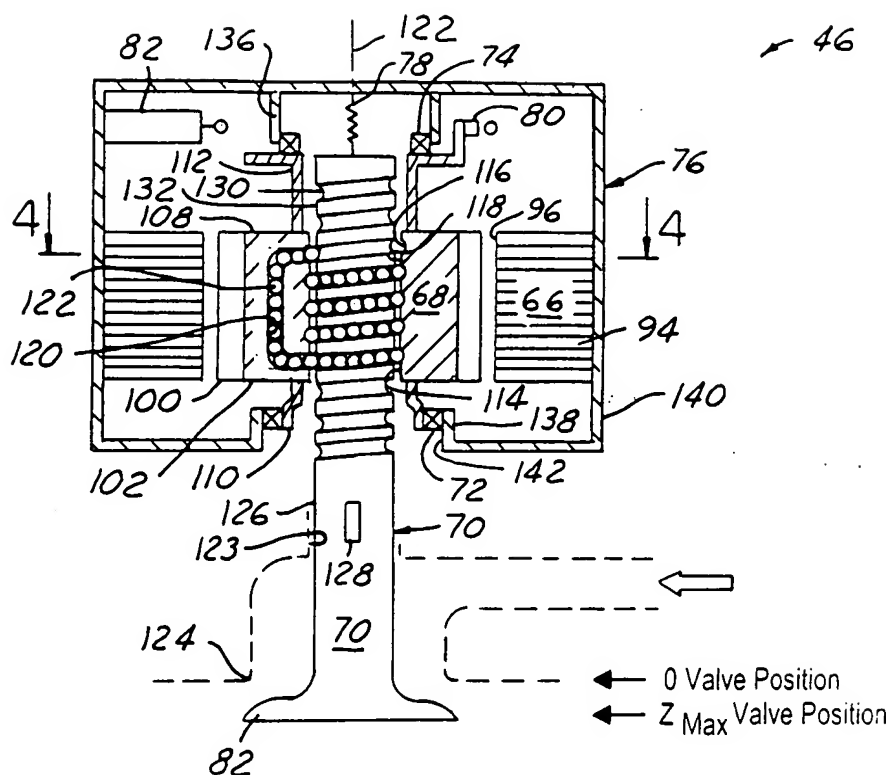
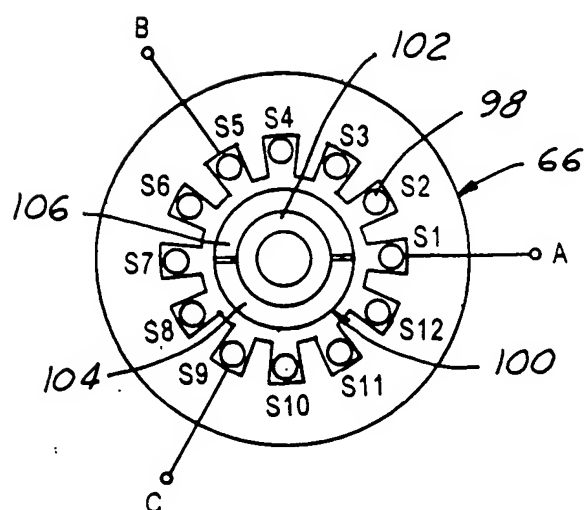


FIG. 3



**FIG. 4**



FIG. 9A

Timing diagram for FIG. 9A showing Voltage  $V_{OSC}$  versus Time. The signal is a periodic square wave. Two specific time intervals are highlighted with dashed vertical lines and labeled with a double-headed arrow and  $\Delta T_4$ , indicating the duration of the high and low pulses.

FIG. 5B

Sonic Wave (Received)

Time

$T_0$   $T_2$   $T_3$   $T_6$   $T_7$

**FIG. 11**



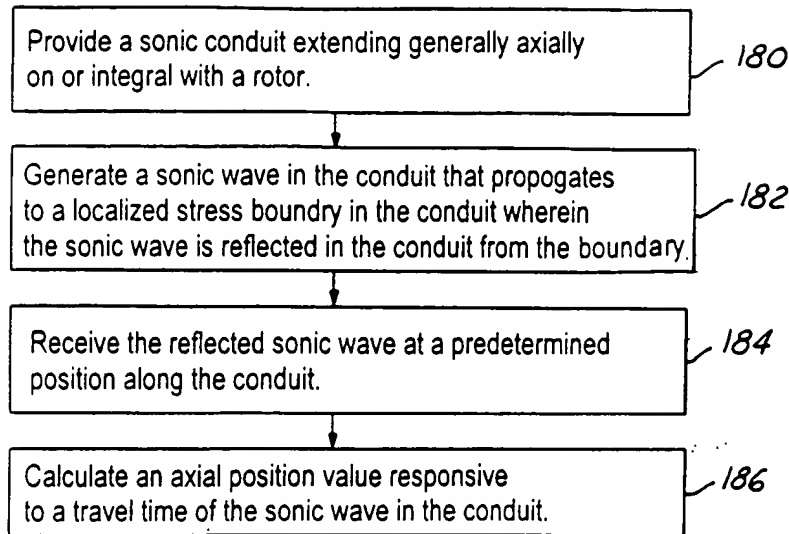


FIG. 14

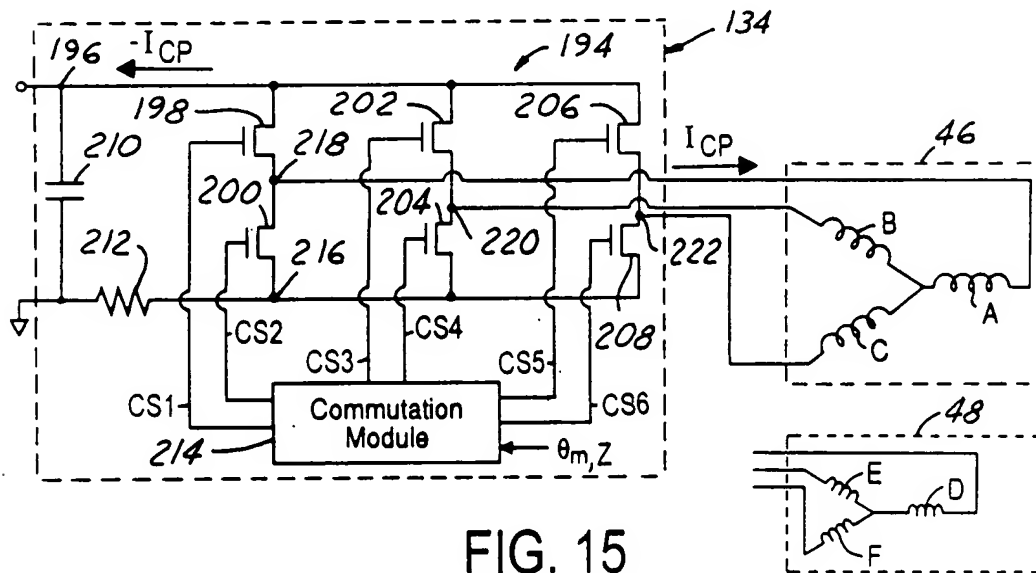
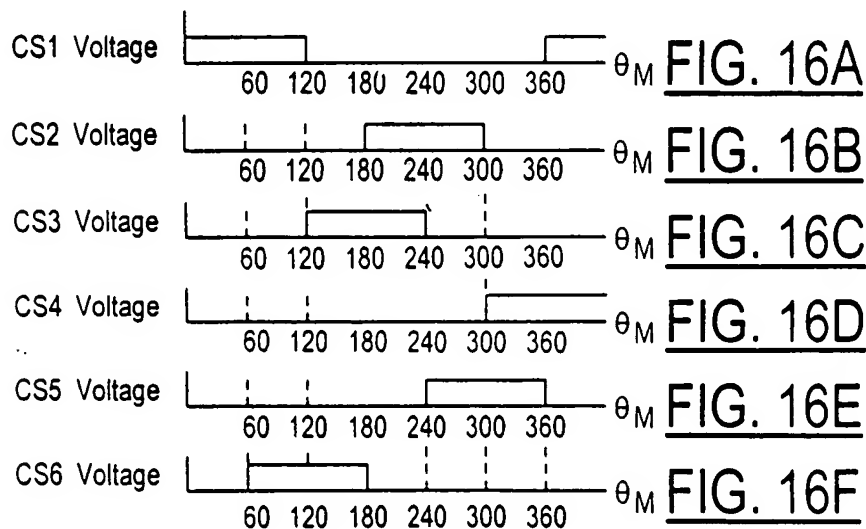
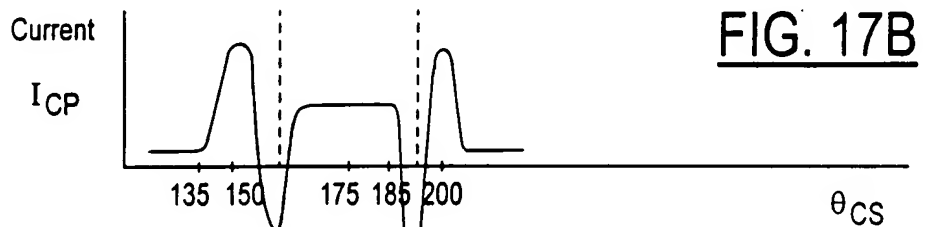
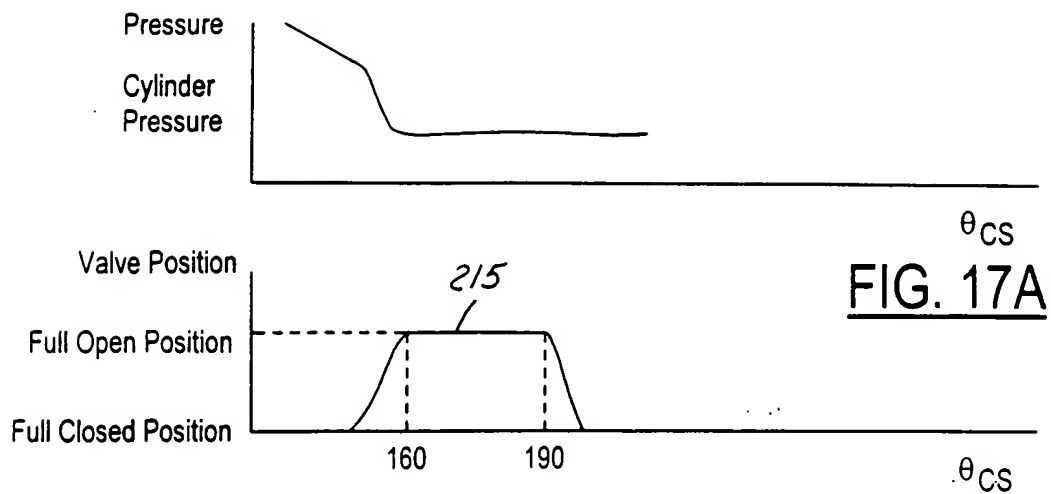
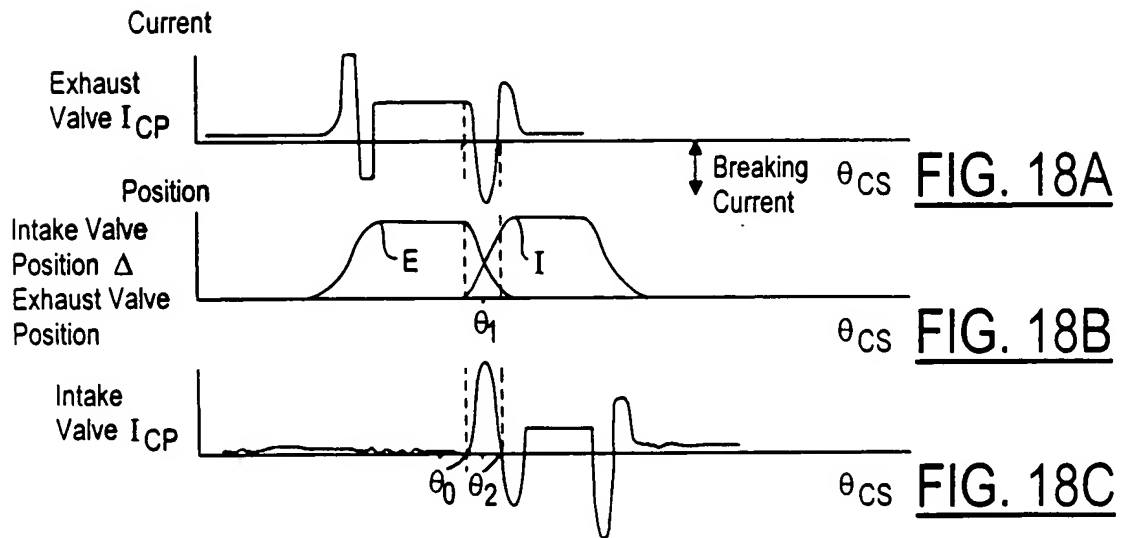


FIG. 15





**FIG. 17C**



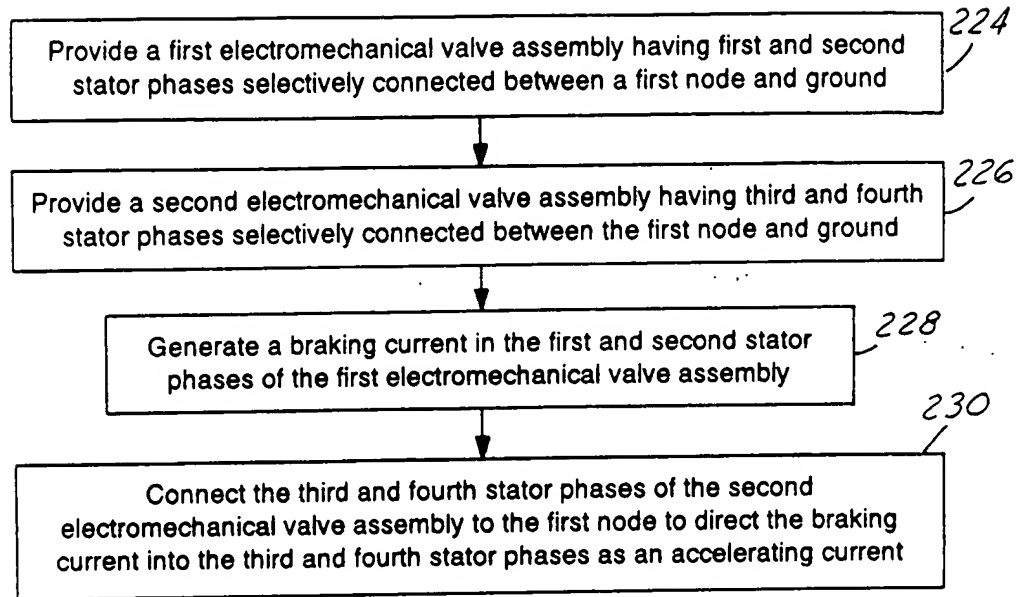


FIG. 19